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tion to this there are bounties on bear, lions and wolves in most of the western stock states. Wyoming, in ten years, has paid out, it is said, over \$65,000 in bounties on wolves alone and \$95,000 more on coyotes and mountain lions. Through his activity against these pests, the forest ranger, it is said, has saved the stockmen many thousands of dollars during the year, while the protection to game animals, such as deer, elk and antelope, is of almost equal importance.

WITH the middle of September the fire season on the national forests has come practically to an end with less damage than ever recorded. There is always some danger from carelessness of campers or of settlers burning brush and clearing land, but the real danger season extends only from the middle of June until the middle of September. Forest officers throughout the west are congratulating themselves on a season so markedly free from heavy losses. They feel that the immunity from loss has been due to two principal causes, partly to a favorable season, but largely to a much better organization for fire prevention than has been attained heretofore. The effectiveness of the organization is shown particularly by the fact that while there were in all approximately 2,260 fires, as against 2,470 last year, yet the area burned so far this year is only about 60,000 acres as against 230,000 acres in 1912, and 780,000 in 1911. The various causes of fires have not changed greatly in their relative proportions. Railroads and lightning head the list, with campers next. There has been, however, a marked decrease in the number of fires caused by burning brush, which, according to the forest officers, indicates a closer cooperation with the settlers in and near the forests and with timberland owners in fire prevention and control. It is still true, nevertheless, that a large proportion of all fires started are due to human agencies and may generally be charged against carelessness. Fires caused by lightning are of course not preventable, but the system of look-outs by which they may be detected imme-

diately after being set is greatly lessening the loss from this source.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE Harvard Medical School has received \$50,000 from the estate of George S. Hyde.

THE Flora Stone Mather Memorial Building of the College for Women of Western Reserve University was formally dedicated on September 30. The building is the gift of Mr. Samuel Mather and his children and is a memorial to Mrs. Mather, daughter of Amasa Stone, the refounder of Adelbert College, and the sister of Adelbert Stone, for whom Adelbert College is named. Mr. Mather has built the building, equipped it completely throughout, and has added to the gift the sum of \$50,000, as an endowment. The Flora Stone Mather Memorial Dormitory, the gift of the alumnae of the College for Women, will be built upon land situated south of the gymnasium. Immediately following the services at the new memorial building the land upon which the memorial dormitory is to be built was dedicated.

THE College of Agriculture and Mechanic Arts, Mayaguez, Porto Rico, is this year offering an apprentice course in general agriculture. The plans for the course were approved at the April meeting of the board of trustees. The dominant feature of the course is that each student is employed eight hours per day in ordinary manual labor on the farm. From one to two hours are devoted to special class instruction. The work done by these students will be the ordinary manual labor of the farm, except that the work will be diversified so as to give each student as broad and varied experience as is possible.

DR. JOHN CASPER BRANNER, professor of geology, was installed as president of Stanford University on October 1.

At the University of Illinois the following appointments have been made: L. H. Provine, superintendent of construction with the Stone and Webster Engineering Corporation at Seattle, professor of architectural engineering; L. A. Harding, professor and head of the de-

partment of mechanical engineering of the Pennsylvania State College and, during the past year, consulting engineer in New York City, professor of experimental mechanical engineering; A. C. Willard, sanitary and heating engineer of the United States War Department, assistant professor of heating and ventilation; E. A. Holbrook, professor of mining engineering and metallurgy at the Nova Scotia Technical College, Halifax, assistant professor of mining engineering; J. I. Parcel, assistant professor of structural engineering at the University of Minnesota, assistant professor of structural engineering; W. M. Wilson, chief designer with the Strauss Bascul Bridge Company of Chicago, assistant professor of structural engineering; P. S. Biegler, professor of electrical engineering in the University of Montana, associate in electrical engineering; S. O. Andrus, field assistant of the U. S. and State Geological Surveys and of the department of mining engineering, associate in mining engineering, and A. R. Knight, instructor in electrical engineering at the University of Pennsylvania, instructor in electrical engineering.

THE faculty of the College of Agriculture and Mechanic Arts of Porto Rico has changes this year as follows: Mr. D. T. Griswold, animal husbandryman, has resigned. His present address is College Station, Texas. The following are additions to the faculty: Professor Higgins, horticulture; Dr. Fredholm, agronomy; Professor Ham, manual training; Professor MacMillan, manual training; Professor Stafford, mathematics; Miss Baco, mathematics.

MR. FRED D. FROMME, a graduate of the South Dakota State College, and for the last two years a student and assistant at Columbia University, has become assistant in the botanical department of the Indiana Experiment Station. Mr. H. C. Travelbee, a graduate of Purdue University, has also become assistant in the same department. The two positions were vacated in July by Dr. F. D. Kern and Mr. J. B. Demaree, who are now at the Pennsylvania State College.

DR. FANNY COOK GATES, formerly professor of physics at Goucher College, Baltimore, has

been appointed dean of women at Grinnell College, Iowa, with a full professorship in physics.

DR. FRANK DUNN KERN has been elected professor of botany at the Pennsylvania State College.

THE following new appointments have been made at the University of Pittsburgh for the coming year: *College*: John M. Mecklin, Ph.D., Leipzig, formerly professor of philosophy at Lafayette College, professor of philosophy; W. Paul Webber, Ph.D., University of Cincinnati, formerly professor of mathematics at Bethany College, instructor in mathematics; Marks Neidle, Ph.D., Columbia University, formerly instructor in chemistry at Erin Preparatory School, instructor in analytical and physical chemistry; Emmett F. Hitch, Ph.D., Cornell University, formerly instructor in chemistry at Cornell University, assistant professor of organic and technical chemistry. *School of Engineering*: George W. Case, Cornell University, formerly assistant professor of sanitary engineering at Purdue University, assistant professor of sanitary engineering. *School of Education*: Thomas J. Kirby, Columbia University, formerly supervisor of industrial schools, N. Y., professor of elementary education. *School of Medicine*: J. D. Heard, professor of medicine; X. O. Werder, professor of gynecology; J. McMeans, instructor in clinical pathology; Miss M. E. Bothwell, research assistant; Chris. Gardner, assistant demonstrator in anatomy.

DR. CHARLES CROWTHER has been appointed professor of agricultural chemistry in the University of Leeds, and will have charge of the experiments in animal nutrition.

PROFESSOR E. W. MACBRIDE, F.R.S., has been appointed successor to the late Professor Adam Sedgwick in the chair of zoology at the Imperial College of Science, South Kensington.

DR. ALEXANDER TORNQUIST, of Königsberg, has been appointed professor of geology at Leipzig.